

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 16:10:08 ; Search time 27.76 Seconds
(Without alignments)
35.578 Million cell updates/sec

Title: US-09-331-631A-25_COPY_31_85

Perfect score: 315
Sequence: 1 ENPKHNKCIOSCNSESDSYR.....EECEGEIIPRPRPOHDER 55

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query Length	DB ID	Description
1	315	100.0	605	1 US-07-955-905A-24	Sequence 24, Appl
2	67	21.3	78	2 US-08-465-380-53	Sequence 53, Appl
3	67	21.3	78	2 US-08-486-397-53	Sequence 53, Appl
4	67	21.3	78	2 US-08-486-399-53	Sequence 53, Appl
5	67	21.3	78	2 US-08-461-965-53	Sequence 53, Appl
6	67	21.3	78	2 US-08-634-641-53	Sequence 53, Appl
7	67	21.3	78	3 US-09-249-471-53	Sequence 53, Appl
8	67	21.3	78	3 US-09-249-472-53	Sequence 53, Appl
9	67	21.3	78	3 US-09-249-451-53	Sequence 53, Appl
10	67	21.3	78	3 US-08-809-455-53	Sequence 53, Appl
11	67	21.3	78	3 US-09-249-461-53	Sequence 53, Appl
12	67	21.3	78	3 US-09-249-448-53	Sequence 53, Appl
13	67	21.3	162	3 US-08-465-380-53	Sequence 53, Appl
14	67	21.3	162	2 US-08-486-397-53	Sequence 53, Appl
15	67	21.3	162	2 US-08-486-399-53	Sequence 53, Appl
16	67	21.3	162	2 US-08-461-965-53	Sequence 53, Appl
17	67	21.3	162	2 US-08-634-641-53	Sequence 53, Appl
18	67	21.3	162	3 US-09-249-471-53	Sequence 53, Appl
19	67	21.3	162	3 US-09-249-472-53	Sequence 53, Appl
20	67	21.3	162	3 US-09-249-451-53	Sequence 53, Appl
21	67	21.3	162	3 US-08-809-455-53	Sequence 53, Appl
22	67	21.3	162	3 US-09-249-461-53	Sequence 53, Appl
23	67	21.3	162	3 US-09-249-448-53	Sequence 53, Appl
24	64	20.3	78	2 US-08-465-380-54	Sequence 54, Appl
25	64	20.3	78	2 US-08-486-397-54	Sequence 54, Appl
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30	64	20.3	78	3 US-09-249-472-54	Sequence 54, Appl
31	64	20.3	78	3 US-09-249-451-54	Sequence 54, Appl
32	64	20.3	78	3 US-08-809-455-54	Sequence 54, Appl
33	64	20.3	78	3 US-09-249-461-54	Sequence 54, Appl
34	64	20.3	78	3 US-09-249-448-54	Sequence 54, Appl
35	64	20.3	162	2 US-08-465-380-64	Sequence 64, Appl
36	64	20.3	162	2 US-08-486-397-64	Sequence 64, Appl
37	64	20.3	162	2 US-08-461-965-64	Sequence 64, Appl
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43	64	20.3	162	3 US-08-809-455-64	Sequence 64, Appl
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45	64	20.3	162	3 US-09-249-448-64	Sequence 64, Appl

ALIGNMENTS

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RESULT 1
US-07-955-905A-24
; Sequence 24, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 605 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..605
; OTHER INFORMATION: /note= "Vicillin from G. max"
US-07-955-905A-24

Query Match 100.0%; Score 315; DB 1; Length 605;
Best Local Similarity 100.0%; Pred. No. 2.8e-28;
Matches 55; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 ENPKHNKCIOSCNSESDSYRNQACHARNLLKVEKECEGEIIPRPRPOHDER 55
DB 31 ENPKHNKCIOSCNSESDSYRNQACHARNLLKVEKECEGEIIPRPRPOHDER 85

RESULT 2
US-08-465-380-53
; Sequence 53, Application US/08465380
; Patent No. 5863894
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Staussens,
; APPLICANT: Joris H.L. Menssens, Marc J. Lauwerreys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
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APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,380
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 78 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancylostoma caninum
US-08-465-380-53
Query Match 21.3%; Score 67; DB 2; Length 78;
Best Local Similarity 29.7%; Pred. No. 0.41;
Matches 19; Conservative 9; Mismatches 20; Indels 16; Gaps 3;
QY 5 HMKCLOSCNSERDSTYRNQACHAR-----CN-LLK-----VKEKCEGEIETRRPP 48
DB 15 YKOCERCKNKESEKDEACLSRACGTGACVCNDGLYRDGFCNCVBKDCNDMEITTFPP 74
QY 49 RPOH 52
DB 75 ETKH 78
RESULT 3
US-08-486-397-53
Sequence 53, Application US/08486397
Patent No. 5865542
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H. L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Ganssemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 357
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street

STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,397
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/269
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 78 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancylostoma caninum
US-08-486-397-53
Query Match 21.3%; Score 67; DB 2; Length 78;
Best Local Similarity 29.7%; Pred. No. 0.41;
Matches 19; Conservative 9; Mismatches 20; Indels 16; Gaps 3;
QY 5 HMKCLOSCNSERDSTYRNQACHAR-----CN-LLK-----VKEKCEGEIETRRPP 48
DB 15 YKOCERCKNKESEKDEACLSRACGTGACVCNDGLYRDGFCNCVBKDCNDMEITTFPP 74
QY 49 RPOH 52
DB 75 ETKH 78
RESULT 4
US-08-486-399-53
Sequence 53, Application US/08486399
Patent No. 5865543
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H. L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Ganssemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,399
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 78 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancylostoma caninum
US-08-486-399-53

Query Match 21.3%; Score 67; DB 2; Length 78;
Best Local Similarity 29.7%; Pred. No. 0.41;
Matches 19; Conservative 9; Mismatches 20; Indels 16; Gaps 3;

QY 5 HNKCLSCNSRDSYRNACAR-----CN--LLK-----VEKECEGEIPIRRP 48
DB 15 YKOCRRKCNKELSEKDEBACLSRACTGRACVNCGLYRDFGNCVEKDCNDMEIITFP 74

QY 49 RPOH 52
DB 75 ETKH 78

RESULT 5
US-08-461-965-53
Sequence 53, Application US/08461965
Patent No. 5872098
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995

CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 78 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancylostoma caninum
US-08-461-965-53

Query Match 21.3%; Score 67; DB 2; Length 78;
Best Local Similarity 29.7%; Pred. No. 0.41;
Matches 19; Conservative 9; Mismatches 20; Indels 16; Gaps 3;

QY 5 HNKCLSCNSRDSYRNACAR-----CN--LLK-----VEKECEGEIPIRRP 48
DB 15 YKOCRRKCNKELSEKDEBACLSRACTGRACVNCGLYRDFGNCVEKDCNDMEIITFP 74

QY 49 RPOH 52
DB 75 ETKH 78

RESULT 6
US-08-634-641-53
Sequence 53, Application US/08634641
Patent No. 5955294
GENERAL INFORMATION:
APPLICANT: Vlasuk, George P. Vlasuk
APPLICANT: Stanssens, Patrick Eric Hugo
APPLICANT: Mensens, Joris Hilda Lileven
APPLICANT: Lauwereys, Marc Josef
APPLICANT: Laroche, Yves Rene
APPLICANT: Jespers, Laurent Stephane
APPLICANT: Gansemans, Yannick Georges Jozef
APPLICANT: Moyle, Matthew
APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/634,641
FILING DATE: April 19, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995


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1  APPLICANT: Bergum, Peter W.
2  TITLE OF INVENTION: NEMATOX-EXTRACTED SERINE PROTEASE
3  TITLE OF INVENTION: INHIBITORS AND ANTICOMULANT
4  TITLE OF INVENTION: PROTEIN
5  NUMBER OF SEQUENCES: 356
6  CORRESPONDENCE ADDRESS:
7  ADDRESSEE: Lyon & Lyon
8  STREET: 633 West Fifth Street
9  STREET: Suite 4700
10 CITY: Los Angeles
11 STATE: California
12 COUNTRY: U.S.A.
13 ZIP: 90071
14
15 COMPUTER READABLE FORM:
16 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
17 MEDIUM TYPE: storage
18 COMPUTER: IBM Compatible
19 OPERATING SYSTEM: IBM P.C. DOS 5.0
20 SOFTWARE: Word Perfect 5.1
21
22 CURRENT APPLICATION DATA:
23 APPLICATION NUMBER: US/09/249,451
24 FILING DATE:
25
26 PRIOR APPLICATION DATA:
27 APPLICATION NUMBER: 08/809,455
28 FILING DATE: April 17, 1997
29
30 APPLICATION NUMBER: PCT/US95/13231
31 FILING DATE: October 17, 1995
32
33 APPLICATION NUMBER: 08/486,399
34 FILING DATE: June 5, 1995
35
36 APPLICATION NUMBER: 08/486,397
37 FILING DATE: June 5, 1995
38
39 APPLICATION NUMBER: 08/465,380
40 FILING DATE: June 5, 1995
41
42 APPLICATION NUMBER: 08/461,965
43 FILING DATE: June 5, 1995
44
45 APPLICATION NUMBER: 08/326,110
46 FILING DATE: October 18, 1994
47
48 ATTORNEY/AGENT INFORMATION:
49 NAME: BIGGS, SUZANNE L.
50 REGISTRATION NUMBER: 30,158
51 REFERENCE/DOCKET NUMBER: 216/270
52
53 TELECOMMUNICATION INFORMATION:
54 TELEPHONE: (213) 489-1600
55
56 TELEFAX: (213) 955-0440
57
58 TELEX: 67-3510
59
60 INFORMATION FOR SEQ ID NO: 53:
61 SEQUENCE CHARACTERISTICS:
62 LENGTH: 78 amino acids
63 TYPE: amino acid
64 TOPOLOGY: linear
65 MOLECULE TYPE: peptide
66 ORIGINAL SOURCE:
67 ORGANISM: Ancylostoma caninum
68 US-09-249-451-53
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1 GENERAL INFORMATION:
2 APPLICANT: Viasuk, George Phillip
3 APPLICANT: Stanssens, Patrick Eric Hugo
4 APPLICANT: Messens, Joris Hilda Lieven
5 APPLICANT: Lauwereys, Marc Josef
6 APPLICANT: Laroche, Yves Rene
7 APPLICANT: Jespers, Laurent Stephane
8 APPLICANT: Ganssemans, Yannick Georges Jozef
9 APPLICANT: Moyle, Matthew
10 APPLICANT: Bergum, Peter W.
11 TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
12 TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
13 TITLE OF INVENTION: PROTEIN
14 NUMBER OF SEQUENCES: 356
15 CORRESPONDENCE ADDRESS:
16 ADDRESSEE: Lyon & Lyon
17 STREET: 633 West Fifth Street
18 STREET: Suite 4700
19 CITY: Los Angeles
20 STATE: California
21 COUNTRY: U.S.A.
22 ZIP: 90071
23 COMPUTER READABLE FORM:
24 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
25 MEDIUM TYPE: storage
26 COMPUTER: IBM Compatible
27 OPERATING SYSTEM: IBM P.C. DOS 5.0
28 SOFTWARE: Word Perfect 5.1
29 CURRENT APPLICATION DATA:
30 APPLICATION NUMBER: US/08/809,455
31 FILING DATE: April 17, 1997
32 PRIOR APPLICATION DATA:
33 APPLICATION NUMBER: PCT/US95/13231
34 FILING DATE: October 17, 1995
35 APPLICATION NUMBER: 08/486,399
36 FILING DATE: June 5, 1995
37 APPLICATION NUMBER: 08/486,397
38 FILING DATE: June 5, 1995
39 APPLICATION NUMBER: 08/465,380
40 FILING DATE: June 5, 1995
41 APPLICATION NUMBER: 08/461,965
42 FILING DATE: June 5, 1995
43 APPLICATION NUMBER: 08/326,110
44 FILING DATE: October 18, 1994
45 ATTORNEY/AGENT INFORMATION:
46 NAME: BIGGS, SUZANNE L.
47 REGISTRATION NUMBER: 30,158
48 REFERENCE/DOCKET NUMBER: 216/270
49 TELECOMMUNICATION INFORMATION:
50 TELEPHONE: (213) 489-1600
51 TELEFAX: (213) 955-0440
52 TELEX: 67-3510
53 INFORMATION FOR SEQ ID NO: 53:
54 SEQUENCE CHARACTERISTICS:
55 LENGTH: 78 amino acids
56 TYPE: amino acid
57 TOPOLOGY: linear
58 MOLECULE TYPE: peptide
59 ORIGINAL SOURCE:
60 ORGANISM: Ancylostoma caninum
61 US-08-809-455-53

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Query Match	21.3%	Score 67:	DB 3:	Length 78:
Best Local Similarity	29.7%	Pred. No.	0.41:	
Matches	19;	Conservative	9;	Mismatches 20; Indels 16; Gaps 3
QY	5	HNKLCQSCNSPDSIRNQACHAR-----CN-LLK-----VKEKCEGCELPRPP	48	
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	:	: : : :	:	:
	:	: : : :	:	:
	:	: : : :	:	:
Db	15	YKQCRKNCKELSEDEACLRACRGACVCNDGLRDFGNCVEKDCCNDMEITPPP	74	
QY	49	RPGH	52	

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DB          75 BTKH 78

RESULT      11
US-09-249-461-53
/ Sequence 53, Application US/09249461
/ Patent No. 6096877
/ GENERAL INFORMATION:
/ APPLICANT: Vlasuk, George Phillip
/ APPLICANT: Staessens, Patrick Eric Hugo
/ APPLICANT: Messens, Joris Hilda Llieven
/ APPLICANT: Lauwereys, Marc Josef
/ APPLICANT: Laroche, Yves Rene
/ APPLICANT: Jaspers, Laurent Stephane
/ APPLICANT: Gansmans, Yannick Georges Jozef
/ APPLICANT: Moyle, Matthew
/ APPLICANT: Berum, Peter W.
/ TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
/ TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
/ TITLE OF INVENTION: PROTEIN
/ NUMBER OF SEQUENCES: 356
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ STREET: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: Word Perfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/249,461
/ FILING DATE:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/809,455
/ FILING DATE: April 17, 1997
/ APPLICATION NUMBER: PCT/US95/13231
/ FILING DATE: October 17, 1995
/ APPLICATION NUMBER: 08/486,399
/ FILING DATE: June 5, 1995
/ APPLICATION NUMBER: 08/486,397
/ FILING DATE: June 5, 1995
/ APPLICATION NUMBER: 08/465,380
/ FILING DATE: June 5, 1995
/ APPLICATION NUMBER: 08/461,965
/ FILING DATE: June 5, 1995
/ APPLICATION NUMBER: 08/326,110
/ FILING DATE: October 18, 1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: BIGGS, SUZANNE L.
/ REGISTRATION NUMBER: 30,158
/ REFERENCE/DOCKET NUMBER: 216/270
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 53:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 78 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ ORIGINAL SOURCE:
/ ORGANISM: Ancylostoma Caninum
/ US-09-249-461-53

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Query Match	21.38; Score 67; DB 3; Length 78;
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Best Local Similarity 29.7%; Pred. NO. 0.41;
Matches 19; Conservative 9; Mismatches 20; Indels 16; Gaps 3

DQ 5 HNKLCSCNSERDSYRNQACHAR-----CN-LTK-----VEKEEEEGELTPRRP 48
 : : : : : : : : : : : : : : : : : :
 Db 15 YKCEPKCKNKELESEKDEEACLSRACTGTGRACVNCNDGYRDFGNCVKEKEDCDNMETITPP 74

QY	49	RPQH	52
		:1	
Db	75	ETKH	78

RESULT 12
 US-09-249-448-53
 : Sequence 53, Application US/09249448
 : Patent No. 6121435
 : GENERAL INFORMATION:
 APPLICANT: Vlasuk, George Phillip
 APPLICANT: Stanssens, Patrick Eric Hugo
 APPLICANT: Messens, Joris Hilda Lieven
 APPLICANT: Lauwereys, Marc Josef
 APPLICANT: Laetche, Yves Rene
 APPLICANT: Jespers, Laurent Stephane
 APPLICANT: Ganssemans, Yannick Georges Jozef
 APPLICANT: Moyle, Matthew
 APPLICANT: Bergum, Peter W.
 TITLE OF INVENTION: NEUTROPE-EXTRACTED SERINE PROTEASE
 TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
 TITLE OF INVENTION: PROTEIN
 NUMBER OF SEQUENCES: 356
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 City: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: Word Perfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/249,448
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/809,455
 FILING DATE: April 17, 1997
 APPLICATION NUMBER: PCT/US95/13231
 FILING DATE: October 17, 1995
 APPLICATION NUMBER: 08/486,399
 FILING DATE: June 5, 1995
 APPLICATION NUMBER: 08/486,397
 FILING DATE: June 5, 1995
 APPLICATION NUMBER: 08/465,380
 FILING DATE: June 5, 1995
 APPLICATION NUMBER: 08/461,965
 FILING DATE: June 5, 1995
 APPLICATION NUMBER: 08/326,110
 FILING DATE: October 18, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: BIGGS, SUZANNE L.
 REGISTRATION NUMBER: 30,158
 REFERENCE/DOCKET NUMBER: 216/270
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ. ID NO.: 53:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 78 amino acids

```

;      TYPE: amino acid
;      TOPOLOGY: linear
;      MOLECULE TYPE: peptide
;      ORIGINAL SOURCE:
;      ORGANISM: Ancylostoma caninum
US-09-249-448-53

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Query Match	21.3%;	Score 67;	DB 3;	Length 78;
Best Local Similarity	29.7%;	Pred. No. 0.41;		
Matches	19;	Conservative	9;	Mismatches 20;
				Indels 16;
				Gaps 3;

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QY      49  RPOH  52
       1
Db      75  ETKH  78

QY      5  HNCLOSCKNSERDYSYRNQACHAR-----CN-LTK-----VEKEECEEIEIPRP 48
       1  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
Db     15  YKCCERCKNNKELSEKDEPACLSRACITGRACVACNDGLYHDDGFCNVEKDECDNDMLITFP 74
       1  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :

```

RESULT 13
 US-08-465-380-63
 : Sequence 63, Application US/08465380
 Patent No. 5863894
 GENERAL INFORMATION:
 APPLICANT: George P. Vlasuk, Patric H. Stanssens,
 APPLICANT: Jois H. L. Mensens, Marc J. Lauwereys,
 APPLICANT: Yves R. Laroche, Laurent S. Jaepers,
 APPLICANT: Yannick G.J. Ganssemans, Matthew Moyle,
 APPLICANT: Peter W. Bergum
 TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
 TITLE OF INVENTION: PROTEIN
 NUMBER OF SEQUENCES: 356
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: Storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: Word Perfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/465,380
 FILING DATE: June 5, 1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/326,110
 FILING DATE: October 18, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: BIGGS, SUZANNE L.
 REGISTRATION NUMBER: 30,158
 REFERENCE/DOCKET NUMBER: 213/268
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ. ID NO.: 63:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 162 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Ancylostoma caninum
 US-08-465-380-63

Query Match 21.3%; Score 67; DB 2; length 162;
Best Local Similarity 29.7%; Pred. No. 0.88;
Matches 19; Conservative 9; Mismatches 20; Indels 16; Gaps 3;

QY 5 HNKCLSCNSERSYRNQACHAR-----CN--LLK-----VKECECEGEIIRPP 48

DB 99 YKOCERKCNKELSEKDEACLSRACTGACVCNDGLYRDDFGNCVERKDECDNMEIITPP 158

QY 49 RPOH 52

DB 159 ETKH 162

RESULT 14

US-08-486-397-63

; Sequence 63, Application US/08486397

; Patent No. 5866542

; GENERAL INFORMATION:

; APPLICANT: George P. Vlasuk, Patric H. Staussens,

; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,

; APPLICANT: Yves R. Laroche, Laurent S. Jespers,

; APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

; APPLICANT: Peter W. Bergum

; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT

; NUMBER OF SEQUENCES: 357

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; CITY: Los Angeles

; STATE: California

; COUNTRY: U.S.A.

; ZIP: 90071

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 MB

; MEDIUM TYPE: storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: IBM P.C. DOS 5.0

; SOFTWARE: Word Perfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/486,397

; FILING DATE: June 5, 1995

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/326,110

; FILING DATE: October 18, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: BIGGS, SUZANNE L.

; REGISTRATION NUMBER: 30,158

; REFERENCE/DOCKET NUMBER: 213/269

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 63:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 162 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; ORIGINAL SOURCE:

; ORGANISM: Ancylostoma caninum

US-08-486-397-63

Query Match 21.3%; Score 67; DB 2; length 162;

Best Local Similarity 29.7%; Pred. No. 0.88;

Matches 19; Conservative 9; Mismatches 20; Indels 16; Gaps 3;

QY 5 HNKCLSCNSERSYRNQACHAR-----CN--LLK-----VKECECEGEIIRPP 48

DB 99 YKOCERKCNKELSEKDEACLSRACTGACVCNDGLYRDDFGNCVERKDECDNMEIITPP 158

QY 49 RPOH 52

DB 159 ETKH 162

RESULT 15

US-08-486-399-63

; Sequence 63, Application US/08486399

; Patent No. 5866543

; GENERAL INFORMATION:

; APPLICANT: George P. Vlasuk, Patric H. Staussens,

; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,

; APPLICANT: Yves R. Laroche, Laurent S. Jespers,

; APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

; APPLICANT: Peter W. Bergum

; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT

; NUMBER OF SEQUENCES: 356

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; CITY: Los Angeles

; STATE: California

; COUNTRY: U.S.A.

; ZIP: 90071

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 MB

; MEDIUM TYPE: storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: IBM P.C. DOS 5.0

; SOFTWARE: Word Perfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/486,399

; FILING DATE: June 5, 1995

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/326,110

; FILING DATE: October 18, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: BIGGS, SUZANNE L.

; REGISTRATION NUMBER: 30,158

; REFERENCE/DOCKET NUMBER: 213/270

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 63:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 162 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; ORIGINAL SOURCE:

; ORGANISM: Ancylostoma caninum

US-08-486-399-63

Query Match 21.3%; Score 67; DB 2; length 162;

Best Local Similarity 29.7%; Pred. No. 0.88;

Matches 19; Conservative 9; Mismatches 20; Indels 16; Gaps 3;

QY 5 HNKCLSCNSERSYRNQACHAR-----CN--LLK-----VKECECEGEIIRPP 48

DB 99 YKOCERKCNKELSEKDEACLSRACTGACVCNDGLYRDDFGNCVERKDECDNMEIITPP 158

QY 49 RPOH 52

DB 159 ETKH 162

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Job time: 1212 sec
